

PATENT

Attorney Docket No.: 023070-115611US

Client Ref. No.: 2000-094-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Deanna L. KROETZ et al.

Application No.: 10/694,641

Filed: October 27, 2003

For: INHIBITORS OF EPOXIDE
HYDROLASES FOR THE
TREATMENT OF HYPERTENSION

Customer No.: 20350

Confirmation No. 4011

Examiner: Brian Yong Kwon

Technology Center/Art Unit: 1614

SECOND DECLARATION OF DR.
BRUCE HAMMOCKMail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, BRUCE D. HAMMOCK, PH.D., hereby declare as follows:

1. My qualifications and experience are as set forth in my previous Declaration submitted with respect to the captioned application.
2. I am an inventor named on the captioned application. I understand the Office Action dated August 23, 2006 (the "Action") takes the position that urea-based compounds inherently have the property of inhibiting the activity of the enzyme called "soluble epoxide hydrolase", or "sEH."
3. As pointed out in my previous Declaration submitted regarding this application, although many compounds having a urea, amide or carbamate in them are good

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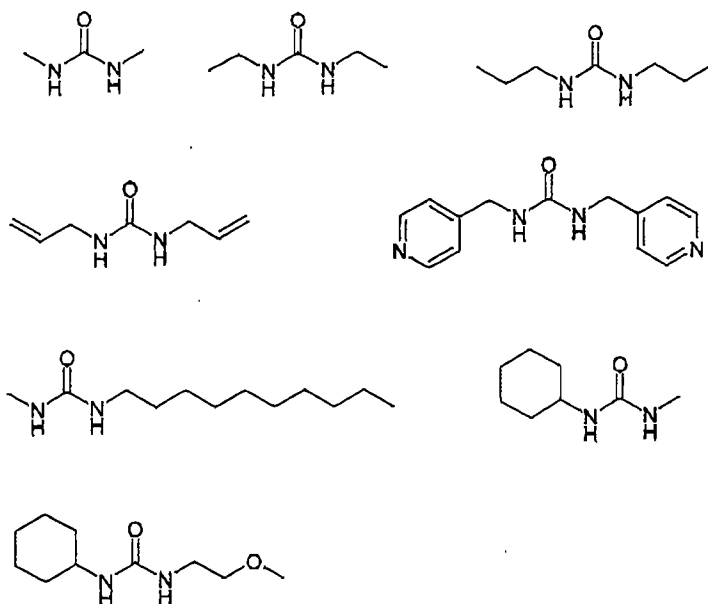
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inhibitors, the presence of a urea, amide or carbamate is not sufficient. Urea by itself, for example, does not inhibit sEH at millimolar concentrations, nor do simple 1,3 di, tri, or substituted ureas such as diethyl and dipropyl urea.

4. In addition, work in my laboratory has determined that the following representative compounds containing a urea do not inhibit the epoxide hydrolyzing activity of sEH by 50% at a concentration of less than about 500 μ M:



I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

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punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

22 Feb 07

Date

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Bruce D. Hammock
Dr. Bruce D. Hammock